

PF	08-NOV-2000; 2000WO-US30679.	XX	KW	psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder;
XX			KW	inflammation; neurological disorder; Alzheimer's disease; food additive;
PR	12-NOV-1999; 99US-0164834.	XX	KW	angiogetic disorder; kidney disorder; gastrointestinal disorder; allergy;
PR	04-AUG-2000; 2000US-0224007.	XX	KW	pregnancy-related disorder; endocrine disorder; infection; wound healing;
PA	(HUMA-) HUMAN GENOME SCI INC.	XX	KW	cell culture; chemotaxis; vulnuary; binding partner identification;
XX	Ruben SM, Komatsoulis GA, Olsen HS, Duan RD, Ebner R;	XX	KW	gene therapy.
PS	WPI; 2001-329070/34.	XX	OS	Homo sapiens.
XX	N-PSDB; AAD07677.	XX	FH	Key
PT	isolated nucleic acid molecule encoding a human secreted protein is	XX	Peptide	Location/Qualifiers
PT	used in preventing, treating or ameliorating a medical condition -	XX	FT	1.. 28
XX	Claim 11, Page 450; 499pp; English.	XX	FT	/label= Signal-peptide
CC	AAB07655-AAD07695 represent cDNAs corresponding to 15 human secreted	XX	FT	29.. 359
CC	protein genes, and AAE03202-AAE03242 represent the proteins they encode.	XX	FT	/label= Mature_human_secreted_protein
CC	AAB03243-AAE03280 represent human secreted protein fragments or variants.	XX	PD	08-NOV-2000; 2000WO-US30679.
CC	The secreted proteins and their genes are useful for preventing, treating,	XX	PD	17-MAY-2001.
CC	or ameliorating medical conditions, e.g., by protein or gene therapy.	XX	PP	12-NOV-1999; 99US-0164834.
CC	pathological conditions can be diagnosed by determining the amount of the	XX	PR	04-AUG-2000; 2000US-0224007.
CC	new protein in a sample or by determining the presence of mutations in	XX	PR	(HUMA-) HUMAN GENOME SCI INC.
CC	the new genes. Specific uses are described for each of the 15 genes,	XX	PA	WPI; 2001-329070/34.
CC	based on the tissues in which they are most highly expressed, and include	XX	DR	N-PSDB; AAD07659.
CC	developing products for the diagnosis or treatment of proliferative	XX	PT	isolated nucleic acid molecule encoding a human secreted protein is
CC	disorders, cancer, tumours, foetal and developmental abnormalities,	XX	PT	used in preventing, treating or ameliorating a medical condition -
CC	haematopoietic disorders, diseases of the immune system, AIDS, autoimmune	XX	PS	Claim 11, Page 431-432; 499pp; English.
CC	diseases (e.g., rheumatoid arthritis), inflammation, allergies,	XX	CC	AAB07655-AAD07695 represent cDNAs corresponding to 15 human secreted
CC	neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),	CC	CC	protein genes, and AAE03202-AAE03242 represent the proteins they encode.
CC	cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,	CC	CC	AAB03243-AAE03280 represent human secreted protein fragments or variants.
CC	psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,	CC	CC	The secreted proteins and their genes are useful for preventing, treating,
CC	angiogenic disorders, kidney disorders, gastrointestinal disorders,	CC	CC	or ameliorating medical conditions, e.g., by protein or gene therapy.
CC	pregnancy-related disorders, endocrine disorders, and infections. The	CC	CC	Pathological conditions can be diagnosed by determining the amount of the
CC	proteins can also be used to aid wound healing and epithelial cell	CC	CC	new protein in a sample or by determining the presence of mutations in
CC	proliferation, to prevent skin aging due to sunburn, to maintain organs	CC	CC	the new genes. Specific uses are described for each of the 15 genes,
CC	before transplantation, for supporting cell culture of primary tissues,	CC	CC	based on the tissues in which they are most highly expressed, and include
CC	to regenerate tissues, to identify their cognate ligands or binding	CC	CC	developing products for the diagnosis or treatment of proliferative
CC	partners, and in chemotaxis, and can be used as a food additive or	CC	CC	disorders, cancer, tumours, foetal and developmental abnormalities,
CC	preservative to modify storage properties. Antibodies specific for a	CC	CC	haematopoietic disorders, diseases of the immune system, AIDS, autoimmune
CC	protein of the invention can be used in alleviating symptoms associated	CC	CC	diseases (e.g., rheumatoid arthritis), inflammation, allergies,
CC	with the disorders mentioned above, and in diagnostic immunoassays e.g.,	CC	CC	neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),
CC	radioimmunoassay or enzyme linked immunosorbent assay (ELISA).	CC	CC	cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,
CC	The present sequence represents a human secreted protein of	CC	CC	psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
XX	the invention.	CC	CC	angiogenic disorders, kidney disorders, gastrointestinal disorders,
SQ	Sequence 225 AA;	CC	CC	pregnancy-related disorders, endocrine disorders, and infections. The
Query Match	39.9%; Score 114; DB 22; Length 225;	CC	CC	proteins can also be used to aid wound healing and epithelial cell
Best Local Similarity	37.5%; Pred. No. 1.4e-06;	CC	CC	proliferation, to prevent skin aging due to sunburn, to maintain organs
Matches	18; Conservative 9; Mismatches 21; Indels 0; Gaps 0;	CC	CC	before transplantation, for supporting cell culture of primary tissues,
CC	to regenerate tissues, to identify their cognate ligands or binding	CC	CC	to regenerate tissues, to identify their cognate ligands or binding
CC	partners, and in chemotaxis, and can be used as a food additive or	CC	CC	partners, and in chemotaxis, and can be used as a food additive or
CC	preservative to modify storage properties. Antibodies specific for a	CC	CC	preservative to modify storage properties. Antibodies specific for a
CC	protein of the invention can be used in alleviating symptoms associated	CC	CC	protein of the invention can be used in alleviating symptoms associated
CC	with the disorders mentioned above, and in diagnostic immunoassays e.g.,	CC	CC	with the disorders mentioned above, and in diagnostic immunoassays e.g.,
CC	radioimmunoassay or enzyme linked immunosorbent assay (ELISA).	CC	CC	radioimmunoassay or enzyme linked immunosorbent assay (ELISA).
RESULT	4	XX	Sequence 359 AA;	
ID	AAE03206 standard; Protein: 359 AA..	XX		
ID	AAE03206;	XX		
AC		XX		
DT	10-AUG-2001 (first entry)	XX		
DE	Human gene 5 encoded secreted protein HTLF15, SEQ ID NO:56.	XX		
XX	Human; secreted protein; proliferative disorder; cancer; tumour; asthma;	XX		
XX	foetal abnormality; developmental abnormality; haematopoietic disorder;	XX		
XX	immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;	XX		
XX	Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;	XX		
XX	Parkinson's disease; cognitive disorder; schizophrenia; skin disorder;	XX		

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PF		PR	09-JUL-1999;	990S-0142920.
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PR	25-FEB-1999;	990S-0121825.		
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 DT 18-OCT-2000 (first entry)
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 KW hybridization assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
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 PN EP1033405-A2.
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 PD 06-SEP-2000.
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 PF 25-FEB-2000; 2000EP-0301439.
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 XX KW Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.
 XX OS Arabidopsis thaliana.
 XX PN EP1033405-A2.
 XX PD 06-SEP-2000.
 XX PF 25-FEB-2000; 20000RP-0301439.
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AAG29288 DT 17-OCT-2000 (first entry)

TD AAG29288 standard; Protein; 348 AA.

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XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 34821.

XX KW Protein identification; signal transduction pathway; metabolic pathway; hybridization assay; genetic mapping; gene expression control; promoter; termination sequence.

XX KW OS Arabidopsis thaliana.

XX PN EP1033405-A2.

XX PD 06-SEP-2000.

XX PF 25-FEB-2000; 20000RP-0301439.

XX PR 25-FEB-1999; 990US-0121825.

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RESULT 16

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		6;	Mismatches	21;
			Indels	2;
			Gaps	1;

Best Local Similarity Matches Conservative Mismatches Indels Gaps

AAG55608 standard; Protein; 99 AA.
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 XX DT 18-OCT-2000 (first entry)
 XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 43524.

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KW	hybridisation assay; genetic mapping; gene expression control; promoter;	PR	23-JUN-1999;	990S-0140354.
KW	termination sequence..	PR	24-JUN-1999;	990S-0140695.
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Arabidopsis thaliana.		PR	30-JUN-1999;	990S-0141287.
XX		PR	01-JUL-1999;	990S-011842.
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OS	Arabidopsis thaliana.
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RESULT 22
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 DT 18-OCT-2000 (first entry)
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 KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 XX
 OS Arabidopsis thaliana.
 XX
 EP1033405-A2.
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 PD 06-SEP-2000.
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 PF 25-FEB-2000; 2000EP-0301439.
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Best Local Similarity 38.3%; Pred. No. 0.00024; Matches 18; Conservative 10; Mismatches 17; Indels 2; Gaps 1;

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RESULT 24
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 XX AC AG50320;
 XX DT 18-OCT-2000 (first entry)
 XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 63755.
 XX KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridization assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 XX OS Arabidopsis thaliana.
 XX PN EP1033405-A2.
 XX PR 05-FEB-1999; 990S-0121825.
 PR 05-MAR-1999; 990S-0123180.
 PR 09-MAR-1999; 990S-0123548.
 PR 23-MAR-1999; 990S-0125788.
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 PR 08-APR-1999; 990S-0128714.
 PR 16-APR-1999; 990S-0129845.
 PR 19-APR-1999; 990S-0130077.
 PR 21-APR-1999; 990S-0130449.
 PR 23-APR-1999; 990S-0130510.
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	Query Match	Match	Score	DB	Length
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PR	22-OCT-1999;	99US-0160980.	PR	30-APR-1999; 99US-0132407.
PR	22-OCT-1999;	99US-0160981.	PR	04-MAY-1999; 99US-0132484.
PR	22-OCT-1999;	99US-0160982.	PR	05-MAY-1999; 99US-0132485.
PR	22-OCT-1999;	99US-0160983.	PR	06-MAY-1999; 99US-0132486.
PR	22-OCT-1999;	99US-0160984.	PR	06-MAY-1999; 99US-0131449.
PR	25-OCT-1999;	99US-0161404.	PR	07-MAY-1999; 99US-0132863.
PR	25-OCT-1999;	99US-0161405.	PR	11-MAY-1999; 99US-0134207.
PR	25-OCT-1999;	99US-0161406.	PR	14-MAY-1999; 99US-0132484.
PR	26-OCT-1999;	99US-0161359.	PR	14-MAY-1999; 99US-0132485.
PR	26-OCT-1999;	99US-0161360.	PR	14-MAY-1999; 99US-0134219.
PR	26-OCT-1999;	99US-0161361.	PR	14-MAY-1999; 99US-0134221.
PR	28-OCT-1999;	99US-0161920.	PR	14-MAY-1999; 99US-0134221.
PR	28-OCT-1999;	99US-0161920.	PR	14-MAY-1999; 99US-0134287.
PR	28-OCT-1999;	99US-0161992.	PR	18-MAY-1999; 99US-0134768.
PR	28-OCT-1999;	99US-0161993.	PR	19-MAY-1999; 99US-0134941.
PR	29-OCT-1999;	99US-0162142.	PR	20-MAY-1999; 99US-0134218.
RESULT	26	Query Match	34.3%	Score 98; DB 21; Length 368;
Best Local Similarity	34.1%	Score 98; DB 21; Length 368;	Mismatches	15; Conservative 11; Mismatches 16; Indels 2; Caps 1;
Matches	15;			
OY	4	CTICSDFDHSRDVAANDCGHTFHLOCLIQSRETAPSRTCPCCR	47	
Db	320	csicqdeyeredevgeelnccgnsfhvnvcvkql--srknacpvck	361	
AC	AAG4446;			
XX	XX			

PR 18-JUN-1999; 99US-0139763.
 PR 21-JUN-1999; 99US-0139817.
 PR 22-JUN-1999; 99US-0139839.
 PR 23-JUN-1999; 99US-0140353.
 PR 23-JUN-1999; 99US-0140354.
 PR 24-JUN-1999; 99US-0140695.
 PR 28-JUN-1999; 99US-0140823.
 PR 29-JUN-1999; 99US-0140981.
 PR 30-JUN-1999; 99US-0141099.
 PR 01-JUL-1999; 99US-0141842.
 PR 01-JUL-1999; 99US-0142154.
 PR 02-JUL-1999; 99US-0142055.
 PR 06-JUL-1999; 99US-0142390.
 PR 08-JUL-1999; 99US-0142803.
 PR 09-JUL-1999; 99US-0142886.
 PR 12-JUL-1999; 99US-0142977.
 PR 13-JUL-1999; 99US-0143342.
 PR 14-JUL-1999; 99US-0143634.
 PR 15-JUL-1999; 99US-0144005.
 PR 16-JUL-1999; 99US-0144085.
 PR 16-JUL-1999; 99US-0144086.
 PR 19-JUL-1999; 99US-0144325.
 PR 19-JUL-1999; 99US-0144331.
 PR 19-JUL-1999; 99US-0144332.
 PR 19-JUL-1999; 99US-0144814.
 PR 19-JUL-1999; 99US-0144833.
 PR 19-JUL-1999; 99US-0144934.
 PR 21-JUL-1999; 99US-0145088.
 PR 20-JUL-1999; 99US-0144352.
 PR 20-JUL-1999; 99US-0144632.
 PR 20-JUL-1999; 99US-0144884.
 PR 21-JUL-1999; 99US-0145086.
 PR 21-JUL-1999; 99US-0145086.
 PR 22-JUL-1999; 99US-0145085.
 PR 22-JUL-1999; 99US-0145087.
 PR 22-JUL-1999; 99US-0145216.
 PR 22-JUL-1999; 99US-0145913.
 PR 22-JUL-1999; 99US-0145919.
 PR 23-JUL-1999; 99US-0145915.
 PR 23-JUL-1999; 99US-0145218.
 PR 23-JUL-1999; 99US-0145224.
 PR 26-JUL-1999; 99US-0145276.
 PR 27-JUL-1999; 99US-0145913.
 PR 27-JUL-1999; 99US-0145919.
 PR 28-JUL-1999; 99US-0145931.
 PR 29-JUL-1999; 99US-0145931.
 PR 02-AUG-1999; 99US-0146386.
 PR 02-AUG-1999; 99US-0146388.
 PR 02-AUG-1999; 99US-0146389.
 PR 03-AUG-1999; 99US-0147038.
 PR 04-AUG-1999; 99US-0147204.
 PR 04-AUG-1999; 99US-0147302.
 PR 05-AUG-1999; 99US-0147192.
 PR 05-AUG-1999; 99US-0147260.
 PR 06-AUG-1999; 99US-0147303.
 PR 06-AUG-1999; 99US-0147416.
 PR 09-AUG-1999; 99US-0147493.
 PR 09-AUG-1999; 99US-0147935.
 PR 10-AUG-1999; 99US-0148171.
 PR 11-AUG-1999; 99US-0148319.
 PR 12-AUG-1999; 99US-0148341.
 PR 13-AUG-1999; 99US-0148555.
 PR 13-AUG-1999; 99US-0148634.
 PR 16-AUG-1999; 99US-0149368.
 PR 17-AUG-1999; 99US-0149175.
 PR 18-AUG-1999; 99US-0149426.
 PR 20-AUG-1999; 99US-0149722.
 PR 20-AUG-1999; 99US-0149723.
 PR 23-AUG-1999; 99US-0149902.
 PR 25-AUG-1999; 99US-0150566.
 PR 26-AUG-1999; 99US-0150834.
 PR 27-AUG-1999; 99US-0151066.
 PR 27-AUG-1999; 99US-0151080.
 PR 30-AUG-1999; 99US-0151033.
 PR 31-AUG-1999; 99US-0151438.
 PR 01-SEP-1999; 99US-0151930.
 PR 01-SEP-1999; 99US-0152363.
 PR 07-SEP-1999; 99US-0153070.
 PR 10-SEP-1999; 99US-0153070.
 PR 13-SEP-1999; 99US-0153158.
 PR 15-SEP-1999; 99US-0154018.
 PR 16-SEP-1999; 99US-0154339.
 PR 20-SEP-1999; 99US-0154779.
 PR 22-SEP-1999; 99US-0155139.
 PR 23-SEP-1999; 99US-0155066.
 PR 24-SEP-1999; 99US-0155559.
 PR 28-SEP-1999; 99US-0156558.
 PR 29-SEP-1999; 99US-0158332.
 PR 12-OCT-1999; 99US-0158339.
 PR 13-OCT-1999; 99US-0159233.
 PR 04-OCT-1999; 99US-0157117.
 PR 05-OCT-1999; 99US-015753.
 PR 06-OCT-1999; 99US-0157865.
 PR 07-OCT-1999; 99US-0158029.
 PR 08-OCT-1999; 99US-0158332.
 PR 14-OCT-1999; 99US-0158331.
 PR 14-OCT-1999; 99US-0159637.
 PR 13-OCT-1999; 99US-0159233.
 PR 13-OCT-1999; 99US-0159329.
 PR 14-OCT-1999; 99US-0159330.
 PR 14-OCT-1999; 99US-0159331.
 PR 14-OCT-1999; 99US-0159637.
 PR 14-OCT-1999; 99US-0159638.
 PR 18-OCT-1999; 99US-0159295.
 PR 21-OCT-1999; 99US-0159329.
 PR 22-OCT-1999; 99US-0160767.
 PR 21-OCT-1999; 99US-0160768.
 PR 21-OCT-1999; 99US-0160770.
 PR 21-OCT-1999; 99US-0160814.
 PR 21-OCT-1999; 99US-0160815.
 PR 22-OCT-1999; 99US-0160880.
 PR 22-OCT-1999; 99US-0160981.
 PR 22-OCT-1999; 99US-0160989.
 PR 25-OCT-1999; 99US-0161404.
 PR 25-OCT-1999; 99US-0161405.
 PR 25-OCT-1999; 99US-0161406.
 PR 26-OCT-1999; 99US-0161359.
 PR 26-OCT-1999; 99US-0161360.
 PR 26-OCT-1999; 99US-0161361.
 PR 28-OCT-1999; 99US-0161920.
 PR 28-OCT-1999; 99US-0161922.
 PR 28-OCT-1999; 99US-0161992.
 PR 29-OCT-1999; 99US-0162142.

Query Match 34/38; Score 98; DB 21; Length 410;
 Best Local Similarity 34.1%; Pred. No. 0.0002%;
 Matches 15; Conservative 11; Mismatches 2; Gaps 1;
 Indels 2; Gaps 1;

Qy	4	CTICSDPFDHSRDVAAMDCCGTFHLQLQSFTAPSRTQPQR	47
Db	362	csicqeyeredevgeinghsfhvrcykvql--srknacpvcy	403

RESULT 27
 ABB58678
 ID ABB58678 standard; Protein: 621 AA.
 XX
 AC ABB58678;
 XX
 DT 26-MAR-2002 (first entry)
 XX
 DE Drosophila melanogaster polypeptide SEQ ID NO 2826.
 XX
 KW Drosophila; developmental biology; cell signalling; insecticide;
 KW pharmaceutical.

PR 16-JUL-1999; 990S-0144085. PR 07-OCT-1999; 990S-0158029.
 PR 16-JUL-1999; 990S-0144086. PR 08-OCT-1999; 990S-0158232.
 PR 19-JUL-1999; 990S-0144325. PR 12-OCT-1999; 990S-0158369.
 PR 19-JUL-1999; 990S-0144331. PR 13-OCT-1999; 990S-0159293.
 PR 19-JUL-1999; 990S-0144332. PR 13-OCT-1999; 990S-0159294.
 PR 19-JUL-1999; 990S-0144333. PR 13-OCT-1999; 990S-0159295.
 PR 19-JUL-1999; 990S-0144334. PR 14-OCT-1999; 990S-0159329.
 PR 19-JUL-1999; 990S-0144335. PR 14-OCT-1999; 990S-0159330.
 PR 20-JUL-1999; 990S-0144352. PR 14-OCT-1999; 990S-0159331.
 PR 20-JUL-1999; 990S-0144632. PR 14-OCT-1999; 990S-0159337.
 PR 20-JUL-1999; 990S-0144884. PR 14-OCT-1999; 990S-0159638.
 PR 21-JUL-1999; 990S-0144814. PR 18-OCT-1999; 990S-0159584.
 PR 21-JUL-1999; 990S-0145086. PR 21-OCT-1999; 990S-0160741.
 PR 21-JUL-1999; 990S-0145088. PR 21-OCT-1999; 990S-0160767.
 PR 22-JUL-1999; 990S-0145085. PR 22-OCT-1999; 990S-0160768.
 PR 22-JUL-1999; 990S-0145087. PR 21-OCT-1999; 990S-0160770.
 PR 22-JUL-1999; 990S-0145089. PR 21-OCT-1999; 990S-0160814.
 PR 22-JUL-1999; 990S-0145192. PR 21-OCT-1999; 990S-0160815.
 PR 22-JUL-1999; 990S-0145145. PR 22-OCT-1999; 990S-0160980.
 PR 23-JUL-1999; 990S-0145224. PR 22-OCT-1999; 990S-0160981.
 PR 26-JUL-1999; 990S-0145276. PR 25-OCT-1999; 990S-0161404.
 PR 27-JUL-1999; 990S-0145913. PR 25-OCT-1999; 990S-0161405.
 PR 27-JUL-1999; 990S-0145918. PR 25-OCT-1999; 990S-0161406.
 PR 27-JUL-1999; 990S-0145919. PR 26-OCT-1999; 990S-0161359.
 PR 28-JUL-1999; 990S-0145951. PR 26-OCT-1999; 990S-0161360.
 PR 02-AUG-1999; 990S-0146386. PR 26-OCT-1999; 990S-0161361.
 PR 02-AUG-1999; 990S-0146388. PR 28-OCT-1999; 990S-0161920.
 PR 03-AUG-1999; 990S-0146389. PR 28-OCT-1999; 990S-0161992.
 PR 04-AUG-1999; 990S-0147038. PR 28-OCT-1999; 990S-0161993.
 PR 04-AUG-1999; 990S-0147204. PR 29-OCT-1999; 990S-0162142.
 PR 05-AUG-1999; 990S-0147302. Query Match 33.9%; Score 97; DB 21; Length 274;
 PR 05-AUG-1999; 990S-0147302. best local similarity 38.6%; Pred. No. 0.00024; Gaps 2;
 PR 06-AUG-1999; 990S-0147260. Matches 17; Conservative 8; Mismatches 17; Indels 2;
 PR 06-AUG-1999; 990S-0147303. PR 09 4 CTCSDFFDHSRDVAAMDCGHFPHLQLIQSFETAPSRTCPOC 46
 PR 09-AUG-1999; 990S-0147493. | :| ::| | :|| :| ||| ||:| :| | |
 PR 10-AUG-1999; 990S-0148171. Db 146 cpycefeyifdfstrditvircgthmlec-tkänglhnrytcpsc 188
 PR 11-AUG-1999; 990S-0148319.
 PR 12-AUG-1999; 990S-0148341.
 PR 13-AUG-1999; 990S-0148565.
 PR 13-AUG-1999; 990S-0148684.
 PR 16-AUG-1999; 990S-0149368.
 PR 17-AUG-1999; 990S-0149175.
 PR 18-AUG-1999; 990S-0149426.
 PR 20-AUG-1999; 990S-0149722.
 PR 20-AUG-1999; 990S-0149723.
 PR 23-AUG-1999; 990S-0149902.
 PR 23-AUG-1999; 990S-0149930.
 PR 25-AUG-1999; 990S-0150566.
 PR 26-AUG-1999; 990S-0150884.
 PR 27-AUG-1999; 990S-0151065.
 PR 27-AUG-1999; 990S-0151066.
 PR 30-AUG-1999; 990S-0151303.
 PR 31-AUG-1999; 990S-0151438.
 PR 01-SEP-1999; 990S-0151930.
 PR 07-SEP-1999; 990S-0152363.
 PR 10-SEP-1999; 990S-0153070.
 PR 13-SEP-1999; 990S-0153758.
 PR 15-SEP-1999; 990S-0154018.
 PR 16-SEP-1999; 990S-0154039.
 PR 20-SEP-1999; 990S-0154779.
 PR 22-SEP-1999; 990S-0155139.
 PR 23-SEP-1999; 990S-0155486.
 PR 24-SEP-1999; 990S-0155659.
 PR 28-SEP-1999; 990S-0156458.
 PR 29-SEP-1999; 990S-0156596.
 PR 04-OCT-1999; 990S-0157117.
 PR 05-OCT-1999; 990S-0157753.
 PR 06-OCT-1999; 990S-0157865.
 PR 07-OCT-1999; 990S-0158029.
 PR 08-OCT-1999; 990S-0158232.
 PR 12-OCT-1999; 990S-0158369.
 PR 13-OCT-1999; 990S-0159293.
 PR 14-OCT-1999; 990S-0159294.
 PR 14-OCT-1999; 990S-0159295.
 PR 14-OCT-1999; 990S-0159329.
 PR 14-OCT-1999; 990S-0159330.
 PR 14-OCT-1999; 990S-0159331.
 PR 14-OCT-1999; 990S-0159637.
 PR 14-OCT-1999; 990S-0159638.
 PR 18-OCT-1999; 990S-0159584.
 PR 21-OCT-1999; 990S-0160741.
 PR 21-OCT-1999; 990S-0160767.
 PR 22-OCT-1999; 990S-0160768.
 PR 21-OCT-1999; 990S-0160770.
 PR 21-OCT-1999; 990S-0160814.
 PR 21-OCT-1999; 990S-0160815.
 PR 22-OCT-1999; 990S-0160980.
 PR 22-OCT-1999; 990S-0160981.
 PR 22-OCT-1999; 990S-0160989.
 PR 25-OCT-1999; 990S-0161404.
 PR 25-OCT-1999; 990S-0161405.
 PR 25-OCT-1999; 990S-0161406.
 PR 26-OCT-1999; 990S-0161359.
 PR 26-OCT-1999; 990S-0161360.
 PR 26-OCT-1999; 990S-0161361.
 PR 28-OCT-1999; 990S-0161920.
 PR 28-OCT-1999; 990S-0161992.
 PR 28-OCT-1999; 990S-0161993.
 PR 29-OCT-1999; 990S-0162142.
 RESULT 29
 AAG45125 ID AAG45125 standard; Protein; 274 AA.
 XX AC AAG45125;
 XX DT 18-OCT-2000 (first entry)
 XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 56611.
 XX KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression; control; promoter;
 KW termination sequence.
 XX OS Arabidopsis thaliana.
 XX PN EP1033405-A2.
 XX PD 06-SEP-2000.
 XX PF 25-FEB-2000; 2000EP-0301439.
 XX PR 25-FEB-1999; 990S-0121825.
 PR 05-MAR-1999; 990S-0123180.
 PR 09-MAR-1999; 990S-0123548.
 PR 23-MAR-1999; 990S-0125788.
 PR 25-MAR-1999; 990S-0126264.
 PR 29-MAR-1999; 990S-0126785.
 PR 01-APR-1999; 990S-0127462.
 PR 06-APR-1999; 990S-0128234.
 PR 08-APR-1999; 990S-0128714.
 PR 16-APR-1999; 990S-0129845.

PR	19-APR-1999;	990US-0130077.	PR	19-JUL-1999;	990US-0144335.
PR	21-APR-1999;	990US-0130449.	PR	20-JUL-1999;	990US-0144352.
PR	23-APR-1999;	990US-0130510.	PR	20-JUL-1999;	990US-0144632.
PR	28-APR-1999;	990US-0131449.	PR	21-JUL-1999;	990US-0144884.
PR	30-APR-1999;	990US-0132048.	PR	21-JUL-1999;	990US-0144814.
PR	04-MAY-1999;	990US-0132484.	PR	21-JUL-1999;	990US-0145086.
PR	05-MAY-1999;	990US-0132485.	PR	22-JUL-1999;	990US-0145088.
PR	06-MAY-1999;	990US-0132487.	PR	22-JUL-1999;	990US-0145088.
PR	07-MAY-1999;	990US-0132863.	PR	23-JUL-1999;	990US-0145145.
PR	11-MAY-1999;	990US-0134256.	PR	23-JUL-1999;	990US-0145218.
PR	14-MAY-1999;	990US-0134218.	PR	23-JUL-1999;	990US-0145224.
PR	14-MAY-1999;	990US-0134219.	PR	26-JUL-1999;	990US-0145276.
PR	14-MAY-1999;	990US-0134221.	PR	27-JUL-1999;	990US-0145913.
PR	14-MAY-1999;	990US-0134370.	PR	27-JUL-1999;	990US-0145918.
PR	18-MAY-1999;	990US-0134768.	PR	27-JUL-1999;	990US-0145919.
PR	19-MAY-1999;	990US-0134941.	PR	28-JUL-1999;	990US-0145951.
PR	20-MAY-1999;	990US-0135124.	PR	02-AUG-1999;	990US-0146386.
PR	21-MAY-1999;	990US-0135353.	PR	02-AUG-1999;	990US-0146388.
PR	24-MAY-1999;	990US-0135629.	PR	03-AUG-1999;	990US-0146389.
PR	25-MAY-1999;	990US-0136021.	PR	04-AUG-1999;	990US-0147204.
PR	27-MAY-1999;	990US-0136392.	PR	04-AUG-1999;	990US-0147302.
PR	28-MAY-1999;	990US-0136782.	PR	05-AUG-1999;	990US-0147192.
PR	01-JUN-1999;	990US-0137222.	PR	05-AUG-1999;	990US-0147260.
PR	03-JUN-1999;	990US-0137528.	PR	06-AUG-1999;	990US-0147303.
PR	04-JUN-1999;	990US-0137502.	PR	06-AUG-1999;	990US-0147038.
PR	07-JUN-1999;	990US-0137724.	PR	09-AUG-1999;	990US-0147416.
PR	08-JUN-1999;	990US-0138094.	PR	09-AUG-1999;	990US-0147204.
PR	10-JUN-1999;	990US-0138540.	PR	10-AUG-1999;	990US-0147302.
PR	14-JUN-1999;	990US-0138847.	PR	10-AUG-1999;	990US-0147192.
PR	16-JUN-1999;	990US-0139119.	PR	11-AUG-1999;	990US-0148319.
PR	16-JUN-1999;	990US-0139452.	PR	12-AUG-1999;	990US-0148341.
PR	16-JUN-1999;	990US-0139453.	PR	13-AUG-1999;	990US-0148565.
PR	17-JUN-1999;	990US-0139492.	PR	13-AUG-1999;	990US-0148684.
PR	18-JUN-1999;	990US-0139454.	PR	15-AUG-1999;	990US-0149368.
PR	18-JUN-1999;	990US-0139455.	PR	17-AUG-1999;	990US-0149175.
PR	18-JUN-1999;	990US-0139456.	PR	18-AUG-1999;	990US-0149426.
PR	18-JUN-1999;	990US-0139457.	PR	20-AUG-1999;	990US-0149722.
PR	18-JUN-1999;	990US-0139458.	PR	20-AUG-1999;	990US-0149723.
PR	18-JUN-1999;	990US-0139459.	PR	27-AUG-1999;	990US-0149929.
PR	18-JUN-1999;	990US-0139460.	PR	27-AUG-1999;	990US-0149902.
PR	18-JUN-1999;	990US-0139461.	PR	23-AUG-1999;	990US-0149930.
PR	18-JUN-1999;	990US-0139462.	PR	25-AUG-1999;	990US-0150566.
PR	18-JUN-1999;	990US-0139463.	PR	26-AUG-1999;	990US-0150884.
PR	18-JUN-1999;	990US-0139750.	PR	27-AUG-1999;	990US-0151065.
PR	18-JUN-1999;	990US-0139763.	PR	27-AUG-1999;	990US-0151066.
PR	21-JUN-1999;	990US-0139817.	PR	27-AUG-1999;	990US-0151080.
PR	22-JUN-1999;	990US-0139899.	PR	30-AUG-1999;	990US-0151303.
PR	23-JUN-1999;	990US-0140353.	PR	31-AUG-1999;	990US-0151438.
PR	23-JUN-1999;	990US-0140354.	PR	01-SEP-1999;	990US-0151930.
PR	24-JUN-1999;	990US-0140695.	PR	07-SEP-1999;	990US-0152363.
PR	28-JUN-1999;	990US-0140823.	PR	10-SEP-1999;	990US-0153070.
PR	29-JUN-1999;	990US-0140991.	PR	13-SEP-1999;	990US-0153758.
PR	30-JUN-1999;	990US-0141287.	PR	15-SEP-1999;	990US-0154018.
PR	01-JUL-1999;	990US-0141842.	PR	16-SEP-1999;	990US-0154039.
PR	01-JUL-1999;	990US-0142154.	PR	20-SEP-1999;	990US-0154779.
PR	02-JUL-1999;	990US-0142055.	PR	22-SEP-1999;	990US-0155139.
PR	06-JUL-1999;	990US-0142390.	PR	23-SEP-1999;	990US-0155486.
PR	08-JUL-1999;	990US-0142803.	PR	24-SEP-1999;	990US-0155659.
PR	16-JUL-1999;	990US-0144085.	PR	28-SEP-1999;	990US-0156458.
PR	19-JUL-1999;	990US-0144325.	PR	29-SEP-1999;	990US-0156596.
PR	19-JUL-1999;	990US-0144332.	PR	04-OCT-1999;	990US-0157117.
PR	19-JUL-1999;	990US-0144332.	PR	05-OCT-1999;	990US-0157753.
PR	19-JUL-1999;	990US-0144333.	PR	06-OCT-1999;	990US-0157865.
PR	19-JUL-1999;	990US-0144334.	PR	07-OCT-1999;	990US-0158029.
PR	19-JUL-1999;	990US-0144334.	PR	08-OCT-1999;	990US-0158232.
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 DE AAB36644 standard; Protein; 405 AA.
 Db 163 cpvcfeylfdstdtdivrcgthmhlec-tkdgqlhnrytcpcv 205

RESULT 34
 DE Human haematopoietic lineage switch (HLS)-5 #2.
 ID AAB36644 standard; Protein; 405 AA.
 XX
 AC AAB36644;
 XX
 DT 14-MAR-2001 (first entry)
 XX
 DE Oryza sativa var. nipponbare Tos17 protein sequence SEQ ID NO:2.
 XX
 KW Rice; Tos17; ethylene synthesis; regulation; genetically modified plant;
 improved side-root elongation; crown-water resistance; acute myeloid leukaemia; drug screening; gene therapy; cytostatic.
 KW
 OS Oryza sativa.
 XX
 PN WO20071721-A1.
 XX
 PD 30-NOV-2000.
 XX
 DE 25-MAY-1999; 99MO-JP02732.
 XX
 PR 25-MAY-1999; 99MO-JP02732.
 XX
 PA (NORI) JAPAN MIN AGRIC FORESTRY & FISHERIES.
 PA (BIOOC) BIO-ORIENTED TECHNOLOGY RES ADVANCEMENT.
 XX
 PT Hirochika H, Abe K;
 XX
 DR WPI: 2001-061354/07.
 XX
 DR N-PSDB; AAC88125.
 PT Rice-originated oligonucleotides encoding gene regulating ethylene synthesis in plant, for producing transformants and genetically modified plants with promoted side-root elongation and crown-water resistance -
 PT WPI: 2001-061354/07.
 XX
 DR N-PSDB; AAC88125.
 PT Novel tumor suppressor gene, HLS-5, useful for regulating cell growth and treating a condition characterized by aberrant cell growth
 XX
 PS Example; Page 108-109; 111PP; English.
 XX
 CC The present invention relates to a tumour suppressor gene, termed HLS-5 is a member of ring finger B-box coiled-coil (RBCC) family of transcriptional regulators. HLS-5 exhibits tumour suppressor activities in acute myeloid leukaemia and breast cancer cells. HLS-5 DNA, protein and its Ab are useful for treating a condition characterised by aberrant cell growth. HLS-5 DNA and protein are useful to identify a substance capable of affecting the HLS-5 function, or capable of modulating cell growth. HLS-5 DNA and protein sequences are useful for diagnosing and treating tumours and cancers. HLS-5 polypeptides are also useful for screening drugs for treating diseases. HLS-5 DNA is used in gene therapy. The present amino acid sequence is human HLS-5.
 CC Sequence 493 AA;
 XX
 CC Query Match 33. 6%; Score 96; DB 22; Length 405;
 CC Best Local Similarity 32.0%; Pred. No. 0.00048;
 CC Matches 16; Conservative 12; Mismatches 20; Indels 2; Gaps 1;
 CC
 CC Query Match 33. 4%; Score 95. 5; DB 22; Length 493;
 CC Best Local Similarity 30.0%; Pred. No. 0.00068;
 CC Matches 18; Conservative 6; Mismatches 18; Indels 3; Gaps 1;
 CC Plants produced by the method have increased side-root elongation, crown-water resistance and improved fruit and flower quality retention.
 CC The present sequence represents the specifically claimed Tos17 isolated from Oryza sativa var. nipponbare, which has ethylene synthesis regulating activity.
 CC Sequence 405 AA;
 XX
 RESULT 36
 DE Human haematopoietic lineage switch (HLS)-5 #1.
 ID AAE02617 standard; Protein; 504 AA.
 XX
 AC AAE02617;
 XX
 DT 06-AUG-2001 (first entry)
 XX
 DE Human haematopoietic lineage switch (HLS)-5 #1.
 XX
 KW Human; haematopoietic lineage switch; HLS-5; tumour suppressor; cancer; ring finger B-box coiled-coil; RBCC; transcriptional regulator; tumour; acute myeloid leukaemia; drug screening; gene therapy; cytostatic.
 KW
 OS Homo sapiens.
 XX
 PN WO200138374-A1..
 XX
 DR 31-MAY-2001.
 XX
 PF 24-NOV-2000; 2000MO-AU01439.
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 PR 24-NOV-1999; 99AU-0004216.
 XX
 PA (UWA-) UNIV WESTERN AUSTRALIA.
 XX
 PT Klinken SP, Lalonde J, Williams JH;
 XX
 DR WPI: 2001-367663/38.
 XX
 DR N-PSDB; AAD06781.

XX WO200138374-A1.
 PN PR 29-MAR-1999; 990US-0126785.
 XX PR 01-APR-1999; 990US-0127462.
 PD PR 06-APR-1999; 990US-0128234.
 XX PR 08-APR-1999; 990US-0128714.
 PF PR 16-APR-1999; 990US-0128845.
 XX PR 19-APR-1999; 990US-0130077.
 PR 21-APR-1999; 990US-0130449.
 PR 23-APR-1999; 990US-0130510.
 XX PR 23-APR-1999; 990US-0130891.
 PA PR 28-APR-1999; 990US-0131449.
 XX PR 30-APR-1999; 990US-0132048.
 PI Klinken SP, Lalonde J, Williams JH;
 XX DR 04-MAY-1999; 990US-0132484.
 PT DR 05-MAY-1999; 990US-0132485.
 XX N-PSDB; ADD06778.
 Novel tumor suppressor gene, HLS-5, useful for regulating cell growth
 and treating a condition characterized by aberrant cell growth -
 XX PS Claim 4; Page 103-104; 111pp; English.
 CC The present invention relates to a tumour suppressor gene, termed
 haemopoietic lineage switch (HLS)-5 and the protein it encodes.
 CC HLS-5 is a member of ring finger B-box coiled-coil (RBCC) family of
 transcriptional regulators. HLS-5 exhibits tumour suppressor activities
 in acute myeloid leukaemia and breast cancer cells. HLS-5 DNA, protein
 and its Ab are useful for treating a condition characterized by aberrant
 cell growth. HLS-5 DNA and protein are useful to identify a substance
 capable of affecting HLS-5 function, or capable of modulating cell
 growth. HLS-5 DNA and protein sequences are useful for diagnosing and
 screening drugs for treating diseases. HLS-5 DNA is used in gene
 therapy. The present amino acid sequence is human HLS-5.
 CC Sequence 504 AA;
 CC SQ

Query Match	Score	Length	Start Date	End Date
Best Local Similarity	33.4%	504		
Matches	40.0%		Pred. No. 0.0007;	
	6		Mismatches	18
			Indels	3
			Gaps	1;
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RESULT 37

AAG29181
 ID AAG29181 standard; Protein; 330 AA.
 XX AC AAG29181;
 XX DT 17-OCT-2000 (first entry)
 XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 34675.
 KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 XX OS Arabidopsis thaliana.
 XX EP1033405-A2.
 XX PD 06-SEP-2000.
 XX PF 25-FEB-2000; 2000EP-0301439.
 XX PR 25-FEB-1999; 990US-0121825.
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16-APR-1999;	990US-0128845.			
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23-APR-1999;	990US-0130510.			
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RESULT 39

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 DT 17-OCT-2000 (first entry)
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 XX Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.
 XX Arabidopsis thaliana.
 OS Arabidopsis thaliana.
 PN EP1033405-A2.
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 PD 06-SEP-2000.
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Query Match **Score** 95; **DB** 21; **Length** 351;
Best Local Similarity 33.2%; **Pred.** NO; **No. 0-00055;**
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 AC AAU02003:
 XX DT
 XX 29-AUG-2001 (first entry)
 DE Human secreted protein encoded by gene #33.
 XX Human secreted protein; autoimmune disorder; hyperproliferative disorder;
 KW cardiovascular disorder; cerebrovascular disorder; angiogenesis;
 KW nervous system disorder; bacterial infection; viral infection;
 KW fungal infection; ocular disorder; wound healing; tissue regeneration;
 KW epithelial cell proliferation; skin ageing; chemotaxis; IgG Fc region;
 OS Homo sapiens.
 XX WO200123598-A1.
 PN XX
 PD XX
 05-APR-2001.
 XX PF
 26-SEP-2000; 20000NO-US26324.
 XX PR
 27-SEP-1999; 9905-0155807.
 XX PA (HUMA-) HUMAN GENOME SCI INC.
 XX PI Konatsoulis G, Ruben SM, Rosen CA;
 XX DR WPT: 2001-281684/29.
 DR N-FSDB; AAS03914.
 XX PT Forty one nucleic acid molecules encoding human secreted proteins, useful
 PT in the prevention, treatment and diagnosis of cancer, immune disorders,
 PT cardiovascular disorders and neurological diseases -
 XX Disclosure: Page 507; 518pp; English.
 XX CC The sequence represents a human secreted protein encoded by a nucleic
 CC acid of the invention. Secreted proteins and their related nucleic acids
 CC can be used in the diagnosis of or susceptibility to a pathological
 CC condition by determining the presence or absence of a mutation in a
 CC nucleic acid or the presence or amount of expression of a secreted
 CC protein. The sequences are used to prevent, treat or ameliorate a medical
 CC condition in e.g. humans, mice, rabbits, goats, dogs, cats, chickens or sheep. The antibodies
 CC alleviating symptoms associated with disorders and in diagnostic

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immunoassays e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA). The disorders include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The peptides can also be used to aid wound healing and epithelial cell proliferation, to help prevent skin ageing due to sunburn, to maintain organs before transplantation, to regenerate tissues, in chemotaxis and as a food additive or preservative to alter storage capabilities.

Query Match	32.9%	Score	94	DB	22	Length	51
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Job time: 8140 sec

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